## WASHINGTON STATE BUILDING CODE COUNCIL APPLICATION FOR REVIEW OF A PROPOSED STATEWIDE AMENDMENT TO THE WASHINGTON STATE BUILDING CODE

2012 Code Adoption Cycle

Log # 14-E-02 (office use only)

1. State Building Code to be Amended:		
[ ] International Building Code	[X] State Energy	Code
[ ] International Existing Building Code	[ ] International	Mechanical Code
[ ] ICC ANSI A117.1 Accessibility Code	[ ] International	Fuel Gas Code
[ ] International Residential Code	[ ] NFPA 54 Nat	tional Fuel Gas Code
[ ] International Fire Code	[ ] NFPA 58 Lig	uefied Petroleum Gas Code
[ ] Uniform Plumbing Code		
Section <u>R402.4.1.2</u>	Page <u>RE-23</u>	
2. Applicant Name (Specific local government, orga	nization or individua	l):
Gary Nordeen, WSU Energy Program		
3. Signed:		
gany Norder Sr. Bldg. Sci	ence Spec.	3/6/2012
Proponent	Title	Date
4. Designated Contact Person:		
Gary Nordeen	Sr. Building Science	Spec
Name	Title	
Address: 905 Plum St SE		
Olympia WA 09504 2165		
<u>Orympia, WA 98304-3103</u>		
Office <b>Phone:</b> (360) 956-2040		

5.	Proposed Code Amendment. Reproduce the section to be amended. Underline all added language, strike
	through all deleted language. Insert any separate new sections in the appropriate place in the code in
	order to continue the established numbering system of the code. If more than one section is proposed
	for amendment or more than one page is needed for reproducing the affected section of the code,
	additional pages may be attached. (Please indicate number of additional pages below)

Code _WSEC	Section _	R402.4.1.2	Page RE-23
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Amend section to read as follows:

**R402.4.1.2 Testing.** The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 5 air changes per hour. Testing shall be conducted with a blower door at a pressure of 0.2 inches w.g. (50 Pascals). Where required by the *code official*, testing shall be conducted by an *approved* third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the *code official*. Testing shall be performed at any time after creation of all penetrations of the *building thermal envelope*. Once visual inspection has confirmed sealing (see Table R402.4.1.1), operable windows and doors manufactured by *small business* shall be permitted to be sealed off at the frame prior to the test.

Exception: Additions less than 300 square feet in floor area.

## During testing:

- 1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures;
- 2. Dampers including exhaust, intake, makeup air, backdraft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures;
- 3. Interior doors, if installed at the time of the test, shall be open, access hatches to conditioned crawl spaces and conditioned attics shall be open;
- 4. Exterior openings for continuous ventilation systems and heat recovery ventilators shall be closed and sealed;
- 5. Heating and cooling systems, if installed at the time of the test, shall be turned off; and
- 6. Supply and return registers, if installed at the time of the test, shall be fully open.

Log #	
<i>C</i>	(office use only)

Supporting Data for Statewide Amendment Proposals This information is required for all statewide amendment proposals. <u>Attach supporting documentation</u>, as necessary; incomplete proposals will not be accepted.

The SBCC requires supporting data on any amendment proposal to show:

- a. That it meets basic criteria See Part I to specify how this proposal meets the criteria for code amendment.
- b. The intended effect—See Part II to describe the purpose of the proposed amendment, including the benefits and the problems addressed.
- c. The potential impacts or benefits on business—See Part III/Types of Construction, to explain how methods in construction businesses, industries and services would be affected.
- d. The potential impact on enforcement procedures, See Part III/Types of Services Required, to provide some analysis of the impacts on code enforcement in local jurisdictions.
- e. Economic costs and benefits Use the Table in Part IV of this form to estimate the costs and benefits of the proposal on the construction industry, the user and/or public, the enforcement community, and operation and maintenance.

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Code References: WS	SEC Title: Washington State Ene	rgy Code	
Related codes: Non	<u>e</u>	_ (Does this amendr	ment change other related codes?)
Proponent: Gary Noro	<u>leen</u> Pho	ne: <u>360-956-2040</u> _	_ Date: February 3, 2014
please indicate the pe (1) The ame (2) The ame (3) The ame (4) The ame	nd emergency state-wide amends rtinent rationale for the proposed adment is needed to address a cri adment is needed to address a sp adment is needed for consistency andment is needed to address a un adment corrects errors and omiss	amendment by selectical life/safety need ecific state policy or with state or federal ique character of the	statute. I regulations.
This proposal exempt	RESSED (Describe the intended s small additions from air leakag	e testing requiremen	ent meets one of the criteria listed above)
	ows small additions to be construent of the existing building.	cted without have to	do an air leakage test. This can be difficult to do for
TYPE OF BENEFITS	S PROJECTED: Reduced	cost when constructi	ng an addition.

TYPES OF CONSTRUCTION: ✓ New Construction	☐ Alteration/Tenant Improvement/Repair
$oxed{\square}$ Residential-Single Family $oxed{\square}$ Residential-Mult	i Family    Commercial    Industrial
List businesses/industries affected by amend	lment
Fire Protection Industry:	
Specific Construction Contractors & Trades:	
Construction Supply Industry:	
Specialty Trades:	Architects, building designers
Types of Buildings:	
Manufacturers:	
Types of Services Required: List any reporting, record keeping or other requireme available from multiple sources. No additional servi	ents. Indicate if equipment, material or services required by this proposal are acces needed

## **Part IV ❖ Amendment Costs and Benefits**

	Construction <sup>1</sup>			Enforcement <sup>2</sup>			Operations & Maintenance <sup>3</sup>		
Building Type	Costs	% impact <sup>4</sup>	Benefits <sup>5</sup>	Costs	% impact <sup>4</sup>	Benefits <sup>5</sup>	Costs	% impact <sup>4</sup>	Benefits <sup>5</sup>
Residential	0			0			0		
Single family									
Multi-family									
Commercial/Retail									
Industrial									
Institutional									

<sup>&</sup>lt;sup>1</sup> \$ / square foot of floor area or other cost. Attach data. **Construction** costs are costs prior to occupancy, and include both design and direct construction costs that impact the total cost of the construction to theowner/consumer.

<sup>&</sup>lt;sup>2</sup> Cost per project plan. Attach data. Enforcement costs include governmental review of plans, field inspection, and other action required for enforcement.

<sup>&</sup>lt;sup>3</sup> Cost/benefits to building owner/tenants over the life of the project.

<sup>&</sup>lt;sup>4</sup> Cost differential over a specific size project or range of projects as determined by the proponent. Provide sufficient cost and benefit detail to clarify the impact to the Council. All data should be created and referenced to third party reputable sources for verification.

<sup>&</sup>lt;sup>5</sup> Include measurable benefit to the user and/or public from Part II.